

Valeo has created a climatic wind tunnel, a key tool which simulates different climate conditions: wind, sun, temperature, humidity... to meet all customer test specifications

KEY BENEFITS:

- Testing capability: passenger cars and light utility vehicles
- Testing in severe climatic conditions for air conditioning system development and validation according to OEM profiles
- Evaluation of A/C fuel consumption
- Skilled team with expertise and know-how



Control desk for wind tunnel testing

MISSION:

- Prepare vehicles and set up the sensors for testing
- Conduct tests according to customer specifications
- Manage data acquisition
- Advice and support



Cool-down testing with sun lamps

TECHNOLOGY:

Wind tunnel performances

- Vehicle speed: 200 km/h (125 mi/h)
- Wind speed: 200 km/h (125 mi/h)
- Temperature: -30°C to +50°C (-22°F to +122°F)
- Humidity: 5% to 95%
- Sun load: 1 000 W/m²